Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|--|
| 10/605,599              | HOGENSON ET AL.                         |  |  |  |  |  |  |
| Examiner                | Art Unit                                |  |  |  |  |  |  |
| John A. Radi            | 3641                                    |  |  |  |  |  |  |

✓ Rejected= Allowed

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
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| 0 | Objected |

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|             | 1<br>2<br>3<br>4<br>5      | 1                |  | 7              |            |              |              |          |              |                 |   |
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|             | 5                          | 1                | Г  | IT             |            |              |              |          |              |                 |   |
|             | 6                          | 1                |  | П              |            |              |              |          |              |                 |   |
| _           | 6<br>7                     | 1                |  | П              |            |              |              |          |              | $\Box$          |   |
|             | 8                          | 1                | $\vdash$   | $\top$         |            |              |              |          |              |                 |   |
|             | 9                          | 1                |  | T              |            |              |              |          |              | $\neg$          |   |
|             | 10                         | 1                |  | Н              | İ          | П            |              |          |              | $\neg$          |   |
|             | 11                         | 1                | Г  | H              | -          |              |              |          |              |                 |   |
|             | 12                         | 1                | <del>                                     </del> | Ħ              |            |              |              |          |              | П               |   |
| <b>-</b>    | 13                         |                  | <u> </u>   | H              |            | П            | $\Box$       |          | _            | Н               |   |
| _           | 11<br>12<br>13<br>14<br>15 | 1                | $\vdash$   | H              | 一          |              | Н            |          | H            | H               |   |
|             | 15                         | 1                | <del>                                     </del> | H              | $\vdash$   | Н            | -            | _        | Н            | Н               |   |
| $\vdash$    | 16                         |                  |  | H              | -          |              |              | -        |              | Н               |   |
|             | 16<br>17                   | 1                | ⊢  | Н              | ╌          | Н            |              |          | -            | H               |   |
|             | 18                         | 1                | ╁╌   | H              | ┢          | -            | -            |          | H            | Н               |   |
|             | 18<br>19                   | 1                | ⊢  | ╫              |            | $\vdash$     | Н            | _        | ┝            | Н               |   |
|             | 20                         | 7                | ├  | ╁              | $\vdash$   | H            | -            |          | ┝            | Н               |   |
| <u> </u>    | 21                         | Ť                | ├  | ۲              | 1          | $\vdash$     | -            | -        | ┝            | Н               |   |
|             | 22                         | 1                | ├  | -              | K          | $\vdash$     |              | -        | ┝            | Н               |   |
|             | 22                         | <del>  '</del> - | ╂─   | ×              | ⊢          |              |              | -        | -            | Н               |   |
|             | 23<br>24                   | ├                | ├-   | -              | ┼─         | -            | -            |          | $\vdash$     | Н               |   |
|             | 25                         | ╁╌               | ┢  | ├              | +          | 1            | Η-           | ┢        | ┢┈           | ╁               |   |
|             | 26                         | 1                | ⊢  | +-             | -          | -            | -            | $\vdash$ | -            | $\vdash$        |   |
|             | 27                         | ┼~               | ╂  | ┢              | ┢          | -            | -            |          |              | $\vdash$        |   |
| <u> </u>    | 20                         | +-               | ⊢  | $\vdash$       | ┢          | -            | -            | $\vdash$ | $\vdash$     | $\vdash$        |   |
|             | 28<br>29                   | +-               | ⊢  |                | ├          | -            | -            | ├        | -            | $\vdash$        |   |
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|             | 30                         | ├-               | ⊢  | ┢              | ┝          | ┢            | <del> </del> | ⊢        | ├            | H               |   |
|             | 31<br>32                   | +                | $\vdash$   | ⊢              | $\vdash$   |              | ├            | $\vdash$ | ├            | $\vdash$        |   |
|             | 32                         | +-               | +-   | <del> </del> − | +          | $\vdash$     |              | ⊢        | 1            | Н               |   |
| <del></del> | 33<br>34                   | ╁                | -  | <del> </del>   | +-         | <del> </del> | ⊢            | $\vdash$ | -            | Н               |   |
|             |                            | ┼—               | ╂  | <del> </del> - | +          |              | $\vdash$     |          | $\vdash$     | Н               |   |
|             | 35                         | ┼-               | ├  | +-             | +-         | -            | -            | -        | ₩            | $\vdash$        | 1 |
| <u></u>     | 36                         | ┼                | ╀  | ₩              | ╁          |              | -            | $\vdash$ | $\vdash$     | $\vdash \vdash$ | ı |
|             | 37                         | +                | ╆-   | +-             | +          | ├-           | -            | -        | -            | $\vdash\vdash$  |   |
| -           | 38                         | ┼-               |  | +              | ╀          | ┢            |              | -        | ├-           | $\vdash \vdash$ |   |
|             | 39                         | +-               |  | ┼-             | ╁          | -            | -            | -        | ┼-           | $\vdash \dashv$ |   |
|             | 40                         | ┼                | ┼  | ┼-             | +-         | ├            | -            | $\vdash$ |              | $\vdash\vdash$  | ı |
| <u> </u>    | 41                         | ╁                | ₩  | $\vdash$       | ┼          | <del> </del> |              | $\vdash$ | -            | $\vdash\vdash$  | ı |
| <b> </b>    | 42                         | -                | ╁  | ╀              | +          | ⊢            | <del> </del> | ⊬        | Ͱ            | $\vdash$        |   |
| <u> </u>    | 43                         | ┼                | ┼  | ╂              | 1          |              | <del> </del> | ⊢        | ┼            | ⊣               |   |
|             | 44                         | ┼                | ┼  | +              | ╀          | ╁            | ├-           | ⊢        | ╀            | $\vdash$        | i |
| <b> </b>    | 45                         | +-               | ₩  | $\vdash$       | ┼          | ┼            | -            |          | 1-           | $\vdash$        |   |
| ļ           | 46                         | +                | ╀  | ╀╌             | ╂          | $\vdash$     | -            | $\vdash$ | ╄            | $\vdash$        |   |
|             | 47                         | +-               | ╁  | ╂-             | 4-         | -            |              | <b>├</b> | <del> </del> | $\vdash$        |   |
| <u> </u>    | 48                         | ┼                |  | ╀              | -          | <del> </del> | ├            | ├-       |              | $\vdash$        |   |
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| L           | 50                         | 1                | 1_   | 1              | <u>L</u> . | L_           |              | <u> </u> |              | ╙               |   |

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| +      | +-               |  | $\vdash$   | -        | -    | .        |          | _        | $\dashv$ | $\dashv$     | $\dashv$ | $\dashv$   | $\dashv$     |  | $\dashv$        |
| 1      | T                | П                                      |  |          |      | 51<br>52 |          |          |          |              |          |  |              |  |                 |
| 1      | $\top$           | П                                      |  |          |      | 53       |          |          |          | $\neg$       |          |  |              |  | ٦               |
| 1      | 1                |  | $\Box$   |          |      | 54       |          |          |          |              |          |  |              |  |                 |
| 1      |                  | П                                      |  |          |      | 55       |          |          |          |              |          |  |              |  |                 |
| 1      |                  |  |  |          |      | 56       |          |          |          |              |          |  |              |  |                 |
|        |                  |  |  |          |      | 57       |          |          |          |              |          |  |              |  |                 |
|        |                  | Ш                                      |  |          |      | 58       |          |          | Ц        | _            |          |  |              |  | _               |
| ┵      | 1_               |  |  |          |      | 59       |          |          | $\Box$   | _            |          |  |              |  | _               |
| +      | _                | _                                      |  | -        |      | 60       | Н        |          |          |              |          |  |              |  | $\dashv$        |
| +      | +-               | <u> </u>                               | -  | l        |      | 61<br>62 |          |          | _        |              |          |  |              | -  | $\dashv$        |
| +      | ┼                | ├                                      | $\vdash$   | -        |      | 63       | $\vdash$ | _        | -        |              |          |  | Н            | $\dashv$   | $\dashv$        |
|        | ╁┈               | $\vdash$                               | $\vdash$   | l        |      | 64       | Н        |          |          |              |          |  |              | $\vdash$   | $\dashv$        |
| +-     | ╁╌               | $\vdash$                               | H  | -        |      | 65       | Н        |          | $\vdash$ |              | Н        |  |              | Н  |                 |
| +      | ╁╌               |  |  | -        |      | 66       | М        |          |          |              |          | -  |              | П  | $\neg$          |
| 1      | $\dagger$        | H                                      | $\vdash$   |          |      | 66<br>67 | H        | _        |          |              |          |  |              |  | П               |
|        | $\top$           |  |  |          |      | 68       | П        |          |          |              |          |  |              |  |                 |
| $\top$ | $\top$           | Τ                                      |  |          |      | 69       |          |          |          |              |          |  |              |  |                 |
|        |                  |  |  |          |      | 70       |          |          |          |              |          |  |              |  |                 |
|        |                  |  |  |          |      | 71       |          |          | _        |              |          |  |              |  |                 |
|        | _                | <u> </u>                               | L.   | _        |      | 72       | L        |          |          | _            |          |  | <u> </u>     | L.   | Ш               |
|        | ╄                | Ļ                                      |  |          |      | 73       | $\vdash$ |          |          | L            | ┡        | <u> </u>   | <u> </u>     | _  | Н               |
| +      | ┼                | ┝                                      | ├  | <b>!</b> |      | 74<br>75 | _        |          | -        | <u> </u>     | -        | ├  | -            | <u> </u>   | $\dashv$        |
| +-     | ╁                | ╁                                      | -  | -        |      | 76       | H        | -        | $\vdash$ | -            |          | -  | $\vdash$     | ┢┈   | Н               |
| - -    | ╅                | ╁                                      | ├  | ┨┝       |      | 77       | ┢        | $\vdash$ | $\vdash$ |              | -        |  | $\vdash$     | _  | Н               |
| +-     | ╁                | +                                      | ╁  | i        |      | 78       |          | $\vdash$ | -        |              | -        | _  | _            |  | Н               |
| +      | ╁                | $\vdash$                               | ┢  | 1  -     |      | 79       |          | _        |          |              |          | T  | П            |  |                 |
| $\top$ | †                | Ι.                                     | T  | 1        |      | 80       |          |          |          |              | Г        | Γ  |              |  |                 |
|        | $\top$           |  |  |          |      | 81       |          |          |          |              |          |  |              |  |                 |
|        |                  | Γ                                      |  |          |      | 82       | 匚        |          |          | $\Box$       | L        | L  | $oxed{oxed}$ |  |                 |
|        |                  |  |  |          |      | 83       | L        | _        | L        | _            | 1_       | <u> </u>   | <u> </u>     | 匚  | Ш               |
|        | 1                | ـــــ                                  | <u> </u>   | L        |      | 84       | <u> </u> | L        | <u> </u> | _            | <u> </u> | _  | ⊢            | $\vdash$   | Н               |
| 4_     | 4-               | ↓_                                     | <b> </b>   | <b>∤</b> |      | 85       | $\vdash$ | -        | <u> </u> | _            |          |  | -            | -  | Н               |
| +      | +                | +                                      | -  | ∤ ├-     | _    | 86<br>87 | -        | $\vdash$ | -        | <del> </del> | -        | ⊢  | -            | $\vdash$   | $\vdash \vdash$ |
| +      | +-               | +-                                     | ╁  | ┨╟       |      | 88       | ╁        | -        | $\vdash$ | -            | -        | ┢  | ╌            | <del> -</del>                                    | Н               |
|        | +-               | +-                                     | ╆  | 1  -     |      | 89       | $\vdash$ | $\vdash$ | -        | $\vdash$     | +        | <u> </u>   | +            | <del>                                     </del> | Н               |
| +      | +                | +-                                     | <del>                                     </del> | 1        |      | 90       | $t^-$    | Н        | $\vdash$ |              | T        | <del>                                     </del> | 1            | T  | Н               |
| +      | +                | 1                                      | $t^-$  | 1        |      | 91       | $\vdash$ | _        | $\vdash$ | Г            | Г        | 1  |              | 1  | П               |
| 7      | 1                | T                                      | 1  | 1        |      | 92       |          |          |          |              |          |  |              |  |                 |
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| +      | +-               | +                                      | ╁  | ┪┝       |      | 100      | ╁        | ╁        | +-       | ╁            | $\vdash$ | 1  | $\vdash$     | +  | H               |
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| Final       | Original   |  |          |              |                    |              |          |              |              |          |
|             | 101        |  | _        |              | Г                  |              | _        |              | П            | П        |
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|             | 103        |  |          |              |                    |              |          |              |              |          |
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|             | 105        | $ldsymbol{le}}}}}}}$ | L        | L            |                    |              | L        | <u> </u>     | <u> </u>     | Ц        |
| L           | 106        | <u> </u>   |          | L            | ļ                  | <u> </u>     | <u> </u> | L_           | <u> </u>     | Н        |
|             | 107        | <u> </u>   | L        | <b>!</b> —   | <u> </u>           | ⊢            |          | <del> </del> | <del> </del> | $\dashv$ |
|             | 108<br>109 |  | ┝        | ├            | ┢                  | -            |          | ├            | ├            | Н        |
|             | 110        | -  | -        | ╁╌           | ├                  | ⊢            | ┝        |              | -            | Н        |
| -           | 111        | $\vdash$   | $\vdash$ | †-           | $\vdash$           | +-           | ┢        | $\vdash$     | $\vdash$     | Н        |
| <b>-</b>    | 112        | <u> </u>   | _        | T            | $\vdash$           | Ι            |          |              | <u> </u>     | П        |
|             | 113        | <del>                                     </del>   | -        | T            | $\vdash$           | 1            | Г        |              | Г            | П        |
|             | 114        | Г  |          |              | Г                  | Г            |          |              |              |          |
|             | 115        |  |          |              |                    |              |          |              |              |          |
|             | 116        |  |          |              |                    |              |          |              |              |          |
|             | 117        | L  |          | L            | _                  | _            | L        | ╙            | L            | Ш        |
| <u></u>     | 118        | <u> </u>   | _        | L            | <u> </u>           | <u> </u>     | L        | <u> </u>     | ļ            | Ц        |
| L           | 119        | <b>!</b>   | <u> </u> | ╄            | <b>├</b>           | <del> </del> | -        | ┡            | ⊢            | $\sqcup$ |
| <u> </u>    | 120<br>121 | ├—   | -        | <b>├</b>     | ╄                  | -            | ├-       | ▙            | -            | Н        |
| -           | 122        | ╀┈   | ⊢        | ╀            | ┼                  | -            | ╢        | ╀            | ├            | Н        |
|             | 123        | ╁  | ┝        | <del> </del> | ╁                  | ╁            | ┢        | $\vdash$     | ┝╌           | Н        |
| -           | 124        | ├  | ┝        | ╁            | ╁                  | ╁╌           | ╁╌       | $\vdash$     | ┢            | Н        |
| -           | 125        | H  | $\vdash$ | T            | †                  | ✝            | ✝        | $\vdash$     | †            | Н        |
|             | 125<br>126 |  |          | 1            | 1                  | T            | T        | $\top$       |              | П        |
|             | 127        |  | T        |              | T                  |              |          |              |              |          |
|             | 128<br>129 |  |          |              |                    |              | Ľ        | L            |              |          |
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|             | 130<br>131 | L  | L        | ┺            | 1_                 | <u> </u>     | L        | <del> </del> | ┺            | Ы        |
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| -           | 132        | ⊢  | ļ        | ╁            | ╀                  | ╄            | ╀        | ╁            | ╁            | Н        |
| -           | 133<br>134 | ╁  | +        | +            | ╁                  | ╁            | ╁        | ╁            | ╁╴           | $\dashv$ |
| -           | 135        | ╁  | +-       | ╁            | ╁╌                 | +-           | ╁        | +            | ┼-           | H        |
| <del></del> | 136        | +  | ╁        | +            | +-                 | T            | +        | $\dagger$    | 1            | +        |
|             | 137        | †  | †        | 1            | T                  | 1            | T        | T            | T            | П        |
|             | 137<br>138 | T  | T        | Ι            | T                  | Γ            | Ι        | Ι            |              |          |
|             | 139        | Г  | L        |              | I                  |              |          |              |              | $\Box$   |
|             | 140        | Ĺ  | Ľ        | L            | L                  | Ļ            |          | L            | 1            | $\sqcup$ |
|             | 141        | $\vdash$   | $\perp$  | $\perp$      | 1                  |              | -        | 1            | $\perp$      | Ш        |
|             | 142        | ┼  | ╀        | +-           | +                  | +-           | ┼-       | +            | +            | ╁╌┤      |
| -           | 143        | ⊢  | ╀        | ╁            | ╁                  | ╁            | ╀        | +            | ╁            | $\vdash$ |
| -           | 144<br>145 | +  | ╁╴       | +            | ╁                  | ╀            | ╁        | +-           | ╁╌           | $\vdash$ |
|             | 145        | $\vdash$   | ╁        | ╁            | +                  | +-           | +-       | +            | +            | $\vdash$ |
| -           | 147        | +  | +        | ╁            | +                  | +            | t        | +-           | +-           | H        |
|             | 148        | T  | 1        | †            | ✝                  | T            | †        | †            | $^{\dagger}$ | П        |
|             | 149        |  | 1        | T            | T                  | 1            | T        | T            | T            |          |
|             | 150        |  |          | $oxed{\Box}$ | $oxed{\mathbb{L}}$ | $\prod$      |          | $\prod$      |              | $\Box$   |
|             |            | _  |          | _            |                    |              |          |              |              |          |